

IFW 1644 \$

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
18862

In Re Application Of: Louis Schofield, et al.

JUN 11 2007

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/830,451	July 31, 2001	Marianne NMN Dibrino	23389	1644	8055

Title:

**A METHOD OF ACTIVATING T CELLS AND AGENTS USEFUL FOR SAME**

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☒ the fee set forth in 37 CFR 1.17(p).

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**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of \$180.00 is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

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Dated: June 8, 2007

  
Signature

Xiaochun Zhu  
Registration No. 56,311  
Scully, Scott, Murphy & Presser, P.C.  
400 Garden City Plaza, Suite 300  
Garden City, New York 11530  
516-742-4343

cc:

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT****(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.

**18862**In Re Application Of: **Louis Schofield, et al.**

Application No.

**09/830,451**

Filing Date

**July 31, 2001**

Examiner

**Marianne NMN Dibrino**

Customer No.

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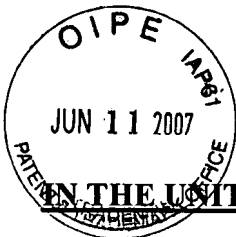
Address to:

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450****37 CFR 1.97(b)**

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- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☒ the fee set forth in 37 CFR 1.17(p).



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Louis Schofield, et al.

**Examiner:** Marianne NMN Dibrino

**Serial No.:** 09/830,451

**Art Unit:** 1644

**Filed:** July 31, 2001

**Docket:** 18862

**For:** A METHOD OF ACTIVATING  
T CELLS AND AGENTS USEFUL  
FOR SAME

**Dated:** June 8, 2007

**Confirmation No.:** 8055

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

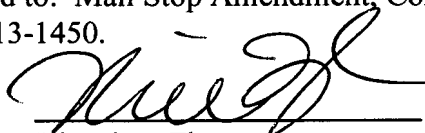
In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. PCT International Publication No. WO 99/52547, published October 21, 1999;
2. Nagata N. et al., "A Monoclonal Antibody Reactive with a Glycophosphatidylinositol-Anchored Molecule on T Cells Defines CD4<sup>+</sup> T Cell Subsets", *Eur. J. Immunology* 25(3):1193-1196 (1993);
3. Schofield L. et al., "CD1d-Restricted Immunoglobulin G Formation to GPI-Anchored Antigens Mediated by NKT Cells", *Science* 283(5399):225-229 (1999);

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Dated:** June 8, 2007

  
Xiaochun Zhu

06/12/2007 RFEKADU1 00000022 09830451

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180.00 0P

4. Joyce S. et al., "Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol", *Science* 279(5356):1541-1544 (1998);
5. Masuda T. et al., "Establishment of a Human T-Cell Line with Deficient Surface Expression of Glycosylphosphatidylinositol (GPI)-Anchored Proteins from a Patient with Paroxysmal Nocturnal Haemoglobinuria", *British Journal of Haematology* 87(1):24-30 (1994);
6. Del Porto P. et al., "TCT.1, a Target Molecule for  $\gamma/\delta$  T Cells, is Encoded by an Immunoglobulin Superfamily Gene (Blast-1) Located in the CD1 Region of Human Chromosome 1", *Journal of Experimental Medicine* 173(6):1339-1344 (1991);
7. Beckman E.M. et al., "Recognition of a Lipid Antigen by CD1-Restricted  $\alpha\beta^+$  T Cells", *Nature* 372:691-694 (1994);
8. Sieling P.A. et al., "CD1-Restricted T Cell Recognition of Microbial Lipoglycan Antigens", *Science* 269:227-229 (1995);
9. PCT International Publication No. WO 00/15254, published March 23, 2000;
10. Schofield L. et al., "Signal Transduction in Host Cells by a Glycosylphosphatidylinositol Toxin of Malaria Parasites", *Journal of Experimental Medicine* 177(1):145-153 (1993);
11. PCT International Publication No. WO 96/34105, published October 31, 2006;
12. Tachado S.D. et al., "Signal Transduction in Macrophages by Glycosylphosphatidylinositols of *Plasmodium*, *Trypanosoma*, and *Leishmania*: Activation of Protein Tyrosine Kinases and Protein Kinase C by Inositolglycan and Diacylglycerol Moieties", *Proceedings of the National Academy of Sciences USA* 94:4022-4027 (1997); and
13. Tachado S.D. et al., "Glycosylphosphatidylinositol Toxin of *Trypanosoma Brucei* Regulates IL-1 $\alpha$  and TNF- $\alpha$  Expression in Macrophages by Protein Tyrosine Kinase Mediated Signal Transduction", *Biochemical and Biophysical Research Communications* 205(2):984-991 (1994).

References 1-8 were cited in an International Search Report dated December 23, 1999 received from the Australian Patent Office. References 9-13 were cited in a Supplementary Partial Search Report dated March 2, 2004 received from the European Patent Office.

References 1-13 were also cited in Office Actions dated July 8, 2005 and May 29, 2006, respectively, received from the European Patent Office, issued in the corresponding European Patent Application No. 99970921.5. Applicants are submitting copies of the above-cited references required by 37 C.F.R. §1.98 (a)(2)(i) and (ii), together with copies of the Australian Search Report, Supplementary Partial European Search Report and the two European Office Actions.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(c), a check in the amount of \$180.00 is enclosed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Xiaochun Zhu', with a stylized flourish at the end.

Xiaochun Zhu  
Registration No. 56,311

Scully, Scott, Murphy & Presser, P.C.  
400 Garden City Plaza, Suite 300  
Garden City, New York 11530  
(516) 742-4343  
XZ:dg

Form PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**LIST OF PRIOR ART  
CITED BY APPLICANT**

(Use several sheets if necessary)

**Atty. Docket No. (Optional)**

18862

**Application Number**

09/830,451

**Applicant(s)**

Louis Schofield, et al.

**Filing Date**

July 31, 2001

**Group Art Unit**

1644

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 99/52547	10/21/99	PCT			✓	
	WO 00/15254	3/23/00	PCT			✓	
	WO 96/34105	10/31/06	PCT			✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

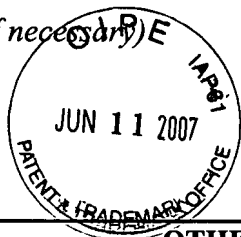
	Nagata N. et al., "A Monoclonal Antibody Reactive with a Glycophosphatidylinositol-Anchored Molecule on T Cells Defines CD4 <sup>+</sup> T Cell Subsets", <i>Eur. J. Immunology</i> 25(3):1193-1196 (1993)
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	Joyce S. et al., "Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol", <i>Science</i> 279(5356):1541-1544 (1998)
	Masuda T. et al., "Establishment of a Human T-Cell Line with Deficient Surface Expression of Glycosylphosphatidylinositol (GPI)-Anchored Proteins from a Patient with Paroxysmal Nocturnal Haemoglobinuria", <i>British Journal of Haematology</i> 87(1):24-30 (1994)
	Del Porto P. et al., "TCT.1, a Target Molecule for $\gamma/\delta$ T Cells, is Encoded by an Immunoglobulin Superfamily Gene (Blast-1) Located in the CD1 Region of Human Chromosome 1", <i>Journal of Experimental Medicine</i> 173(6):1339-1344 (1991)
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**EXAMINER****DATE CONSIDERED**

\* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**LIST OF PRIOR ART  
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Tachado S.D. et al., "Signal Transduction in Macrophages by Glycosylphosphatidylinositols of *Plasmodium*, *Trypanosoma*, and *Leishmania*: Activation of Protein Tyrosine Kinases and Protein Kinase C by Inositolglycan and Diacylglycerol Moieties", *Proceedings of the National Academy of Sciences USA* 94:4022-4027 (1997)

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